4-247-235-**11**(1)

SONY

# Remote Commander

Operating Instructions

*RM-LJ312*

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## Precautions

### On safety

Should any solid object or liquid fall into the cabinet, unplug the receiver and have it checked by qualified personnel before operating it any further.

### On operation

Before connecting other components, be sure to turn off and unplug the receiver.

### On cleaning

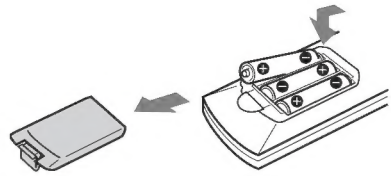
Clean the cabinet, panel and controls with a soft cloth slightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder or solvent such as alcohol or benzine.

If you have any question or problem concerning your remote, please consult your nearest Sony dealer.

## Before you use your remote

### Inserting batteries into the remote

Insert three R6 (size-AA) batteries with the + and – properly oriented in the battery compartment.



**Tip**

Under normal conditions, the batteries should last for about 3 months. When the remote no longer operates the receiver, replace all the batteries with new ones.

**Notes**

- Do not leave the remote in an extremely hot or humid place.
- Do not use a new battery with old ones.
- Do not mix the alkaline batteries and other kinds of batteries.
- Do not expose the remote sensor of the receiver to direct sunlight or lighting apparatuses. Doing so may cause a malfunction.
- If you do not use the remote for an extended period of time, remove the batteries to avoid possible damage from battery leakage and corrosion.

When you use the remote for the first time, be sure to perform the AMP REGIST operation (page 6). Some functions may not be displayed depending of the model.

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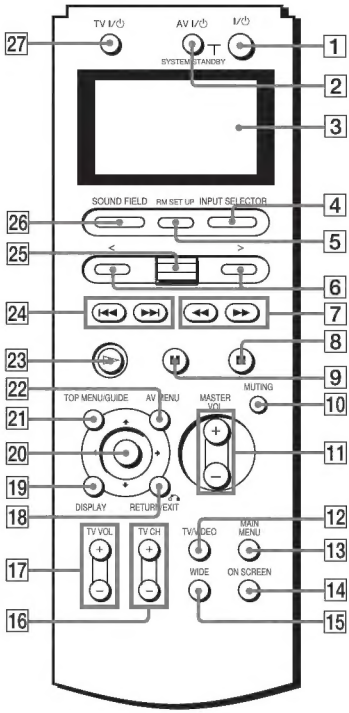
## Location of parts and basic remote operations

This chapter provides information on the location of buttons and how to use them to perform basic operations.
However, some functions explained in this section may not operate depending on the receiver.
For the functions of the receiver you purchased, refer to the Operating Instructions supplied with the receiver.

# Parts description




**I/⏻ 1**

Press to turn the receiver on or off.
For STR-DA5000ES, if the 2ND ZONE or 3RD ZONE is selected, only the main receiver is turned on or off with this button.
To turn off all components including the amplifier in the 2nd or 3rd zone, press **I/⏻** and AV **I/⏻** (2) at the same time (SYSTEM STANDBY).

**AV I/⏻ 2**

Press to turn on or off the components that the remote is programmed to operate. For details on programming procedure, see "Programming the remote" on page 16.
If you press the **I/⏻** switch (1) at the same time, it will turn off the main component and other Sony audio/video components (SYSTEM STANDBY).

**Note**

The function of the AV **I/⏻** switch changes automatically each time you press INPUT SELECTOR (4). Depending on the component, the above operation may not be possible or may operate differently than described.

**AV MENU 22**

Press to display the menus of the VCR, DVD player, or satellite tuner on the TV screen. Then use the control button to perform the menu operations.

**Control button 20**

After pressing MAIN MENU, TOP MENU/GUIDE, or AV MENU, move the control button up, down, left or right to select the settings. When you press TOP MENU/GUIDE or AV MENU, press the button to enter the selection.
To perform menu operations on the VCR, DVD player, or SAT tuner, do the procedure below. If you do not do this, the cursor buttons merely operate the receiver.

1. Press INPUT SELECTOR and move the easy scroll key to select the input, then press the key to enter the selection.
2. Press MAIN MENU, TOP MENU/GUIDE, or AV MENU.
   The CURSOR TYPE list appears. If the list has disappeared before you go on to step 3, press any of the cursor buttons to restore the list.
3. Move the easy scroll key to select the component that you selected in step 1, then press the key to enter the selection.

**DISPLAY** 19

Press to select information displayed on the TV screen.

**Display window** 3

The current status of the selected component or a list of selectable items appears here.

**Note**

Characters other than letters of the alphabet or numbers may be displayed incorrectly on the remote, even if they appear correctly in the display window on the main unit.

**Easy scroll key** 25

While displaying a list, move up or down to select an item from the list, and then press to enter the selection.

**INPUT SELECTOR** 4

Press to display the input (component) list. See the table on page 7 for information on the buttons you can use to control each component.

If you want to change the contents of the input list to match your particular components, see "Programming the remote" on page 16.

**MAIN MENU** 13

Press repeatedly to select a menu (SURROUND, etc.) for the receiver.

**MASTER VOL +/–** 11

Press to adjust the volume level of all speakers at the same time.

**MUTING** 10

Press to mute the sound.

**ON SCREEN** 14

Press to display the menus of the receiver on the TV screen.

**RETURN ↶/EXIT** 18

Press to return to the previous menu or exit the menu while the menu or guide of the VCR, DVD player, or satellite tuner is displayed on the TV screen.

**RM SET UP** 5

Press to display the set up list.

**SOUND FIELD** 26

Press to display the sound field list.

For details, see page 15.

**TOP MENU/GUIDE** 21

Press to display the menu or guide of the DVD player or satellite tuner on the TV screen. Then use the control button to perform the menu operations.

**TV I/⏻** 27

Press to turn TV on or off.

**TV/VIDEO** 12

Press to change the input mode of the TV.

**TV CH +/–** 16

Press to switch the channel of TV.

**TV VOL +/–** 17

Press to adjust the volume of TV.

**WIDE** 15

Press to switch the TV to the wide mode.

**</>** 6

Press to change the information displayed on the display. Press the < button repeatedly to display the RECEIVER menu, press the > button repeatedly to display the SUB menu (page 8) or NUM menu.

In the NUM menu, move the easy scroll key to select the numeric value, then press the key to enter the selection.

**▷*** 23

Press to start play of the playback medium.

**II*** 9

Press to pause play or recording, or press to start recording when the component is in recording standby.

**■*** 8

Press to stop play.

**I◀◀ / ▶▶I*** 24

Press to skip tracks.

**◀◀/▶▶*** 7

Press to fast-forward or rewind, or search tracks in the forward or backward direction.



*continued*

* See the table on page 7 for information on the buttons that you can use to control each component.

## Before using the remote for the first time

Be sure to turn on the receiver and point the remote towards the receiver when performing the following procedure.

**1** **Press RM SET UP.**

The set up list appears.

```
→IR SET
 LEARNING
 DOWNLOAD
 INPUT LIST
```

**2** **Move the easy scroll key to select "AMP REGIST", then press the key to enter the selection.**

The AMP REGIST list appears. When the receiver name is already registered, it appears on the second line.

```
< AMP REGIST >
 ? ? ?
→START
 Exit
```

**3** **Move the easy scroll key to select "START", then press the key to enter the selection.**

After "SEARCHING" appears, the model name appears. The remote is optimized for the model. (For TA-DA9000ES, VIDEO4, VIDEO5, and i.LINK are added in the input list.) If the model name does not appear, check the followings and start over from step 1.

- The power is turned on.
- The remote is kept pointing toward the receiver until the model name appears.

# Table of buttons used to control each component

When you program the remote to control the following Sony or non-Sony components, you can use the buttons on the remote that are marked with circles. Note, however, that some buttons may not operate your component.

| Component / Button | VCR | TV | LD player | DVD player | Video CD player | CD player | MD deck | Tape deck (A and B) | DAT deck | Tuner | Cable box | Satellite tuner | Projector |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AV I/⏻ | ● | ● | ● | ● | ● | ● | ● | | ● | | ● | ● | |
| ▷ | ● | | ● | ● | ● | ● | ● | ● | ● | | | | |
| ❚❚ | ● | | ● | ● | ● | ● | ● | ● | ● | | | | |
| ■ | ● | | ● | ● | ● | ● | ● | ● | ● | | | | |
| ⏮/⏭ | ● | | ● | ● | ● | ● | ● | ●* | ● | | | | |
| ◀◀/▶▶ | ● | | ● | ● | ● | ● | ● | ● | ● | | | | |
| Control button | ● | | | ● | | | | | | | | ● | ● |
| TOP MENU/ GUIDE | | | | ● | | | | | | | | ● | |
| AV MENU | ● | | | ● | | | | | | | | ● | ● |
| DISPLAY | ● | ● | ● | ● | ● | ● | ● | | | | | ● | |
| EXIT | | | | | | | | | | | | ●** | |
| RETURN ↶ | | | ● | ● | ● | | | | | | | | |

* Deck B only.

** Not available depending on the component.



*continued*

## Table of SUB menu operations

Press the > button repeatedly to display a list of operations (SUB menu) that the corresponding buttons are not found on the remote. The contents of the lists will vary according to the currently selected component. The following table shows the items in each list and the function of each item.
"D.CS" and "BSD" are not available with this receiver.

| Component | Item(s) | Function |
|---|---|---|
| VCR | CH + | Selects preset channels. |
| | CH – | |
| | INPUT SELECT | Changes the input mode of the VCR. |
| | AUDIO | Changes the sounds. |
| | ANT TV/ VIDEO | Selects the signal to be output from the antenna terminal of the VCR (TV signal or video signal). |
| | SP/LP | Selects the playback speed. |
| | REC | Starts recording. |
| | COUNTER/ REMAIN | Displays the playing or remaining time. |
| TV | CH + | Selects preset channels. |
| | CH – | |
| | MUTING | Mutes the sound. |
| | VOL + | Raises the volume. |
| | VOL – | Lowers the volume. |
| | JUMP | Toggles between the previous and current channels. |
| | TV/VIDEO | Changes the input mode of the TV. |
| | MPX/DUAL | Changes the audio setting. |
| | WIDE | Selects the wide-picture mode.[a)] |
| | P IN P | Activates the picture-in picture function.[b)] |
| | POSITION | Changes the position of the small picture.[b)] |
| | SWAP | Swaps the small and large pictures.[b)] |
| | SUB CH + | Selects preset channels for the small picture.[b)] |
| | SUB CH – | |
| | SLEEP | Activates sleep timer. |
| LD player | SIDE A[c)] | Selects side A of the disc. |
| | SIDE B[c)] | Selects side B of the disc. |
| | PROGRAM | Programs the tracks. |
| | REPEAT | Repeats current track or programmed tracks. |

| Component | Item(s) | Function |
|---|---|---|
| DVD player | AUDIO | Changes the sounds. |
| | ANGLE | Changes the angles. |
| | SUBTITLE | Changes the Subtitle Language. |
| | SUBTITLE ON OFF | Turns the Subtitles on or off. |
| | TIME | Changes the time information. |
| | SEARCH MODE | Changes the search mode. |
| | CLEAR | Returns to the Continuous Play etc. |
| | INDEX + | Selects a index. |
| | INDEX – | |
| | DISC SKIP + | Selects a disc. |
| | DISC SKIP – | |
| | SET UP | Displays the Set up menu. For details on the menu operation, see page 10. |
| Video CD player | DISC SKIP + | Selects a disc. |
| | DISC SKIP – | |
| | TIME | Changes the time information. |
| | INDEX + | Selects a index. |
| | INDEX – | |
| | DISC | Selects a disc. |
| CD Player | DISC | Selects a disc.[d)] |
| | TRACK | Selects a track. |
| | CONTINUE | Selects Continuous Play. |
| | SHUFFLE | Selects Shuffle Play. |
| | PROGRAM | Selects Program Play. |
| | REPEAT | Selects Repeat Play. |
| | TIME | Changes the time information. |
| | DISC SKIP + | Selects a disc. |
| | DISC SKIP – | |

| Component | Item(s) | Function |
|---|---|---|
| MD deck | DISC SKIP + | Selects a disc. |
| | DISC SKIP – | |
| | TIME | Changes the time information. |
| | CONTINUE | Selects Continuous Play. |
| | SHUFFLE | Selects Shuffle Play. |
| | PROGRAM | Selects Program Play. |
| | REPEAT | Selects Repeat Play. |
| | MENU/NO | Selects editing operation or cancels editing. |
| | YES | Performs editing operation. |
| | CLEAR | Erases a track in the program etc. |
| | REC | Pauses for recording. |
| Tape deck | REVERSE PLAY | Plays the reverse side. |
| | A-REC | Makes deck A pause for recording. |
| | B-REC | Makes deck B pause for recording. |
| | PROGRAM/ START | Selects Program Play. |
| DAT deck | REPEAT | Starts Repeat Play. |
| | CLEAR | Erases a track in the program etc. |
| | REC | Pauses for recording. |
| Tuner | PRESET + | Selects a preset station. |
| | PRESET – | |
| | DIRECT TUNING | Enters Direct Tuning mode. |
| | FM/AM | Selects the FM or AM band. |
| | SHIFT | Switches the memory page. |
| Cable box | | |

*continued*

| Component | Item(s) | Function |
|---|---|---|
| Satellite tuner (DSS) | CH + | Selects preset channels. |
| | CH – | |
| | JUMP | Toggles between the previous and current channels. |
| | FAVORITE | Displays the Favorite Station Guides. |
| | CATEGORY | Displays the Guide Category list. |
| | INDEX | Displays the Station Index. |
| Satellite tuner (BST) | CH + | Selects preset channels. |
| | CH – | |
| | -/-- | Selects the channel of eleven or higher. |
| | MAIN/SUB | Switched the main or sub language. |
| | TV/RADIO | Switches the TV or radio input. |
| Projector | POWER ON | Turns on the projector. |
| | POWER OFF | Turns off the projector. |
| | INPUT A | Switches to the input from INPUT A jacks. |
| | INPUT B | Switches to the input from INPUT B jacks. |
| | INPUT VIDEO | Switches to the input from VIDEO jacks. |
| | INPUT SELECT | Switches to the input from VIDEO IN or S VIDEO IN jacks. |
| | MEMORY | Stores the adjusted data in memory. |
| | BRIGHT + | Adjusts the brightness. |
| | BRIGHT – | |
| | CONTRAST + | Adjusts the contrast. |
| | CONTRAST – | |
| | ZOOM + | Adjusts the zoom of the picture. |
| | ZOOM – | |
| | SHIFT + | Adjusts the lens shift of the picture. |
| | SHIFT – | |
| | FOCUS + | Adjusts the lens shift of the picture. |
| | FOCUS – | |

a) Only with Sony TVs that supports the wide-picture mode.

b) Only with Sony TVs with the picture-in-picture function.

c) "DISC A/B" appears for non-Sony LD players.

d) Only with the Sony CD changer.

**Note**

If you have programmed the remote to control non-Sony components, note the following:

- All the items may not appear when you select a component.
- All the items displayed may not function.

**Tip**

You can freely assign codes to SUB1 through SUB5. Select when you transmit learned codes. For details, see "Learning the commands of your components" on page 20.

## To perform set up menu operations on the DVD player or satellite tuner

1 Select the DVD player from the input list.

2 Press the > button repeatedly to display the SUB menu.

| To display | Do this |
|---|---|
| TOP MENU | Press TOP MENU button. |
| DVD MENU | Press AV MENU button. |
| SET UP | Select "SET UP" in the SUB menu. |

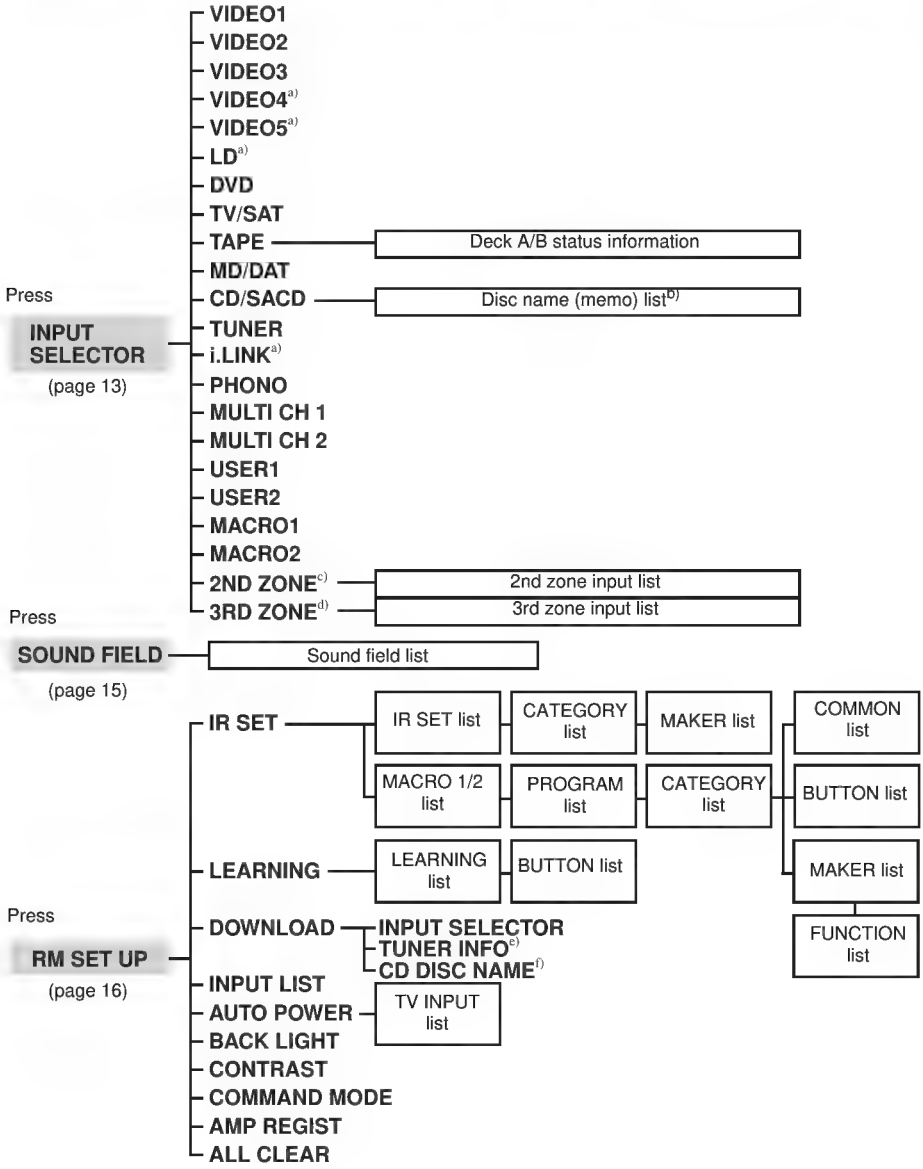
3 Use the control button to perform menu operations on the DVD player.
Make sure that "DVD" is selected in the CURSOR TYPE list.

To exit the menu operation, press RETURN ↶/EXIT. To display the DVD menu, use the AV MENU button (page 4).

# Chart of lists



See the treelike chart below for the list hierarchy. Details on how to access each list is given from page 13. Some items have sub-lists that appear when you press > (page 8).



[a] TA-DA9000ES only.

[b] Only when set to CD2 or CD3.

[c] When the COMMAND MODE is set to 2ND ZONE, only the 2nd zone list appears (STR-DA5000ES only. However, 2nd zone list appears when the model name of the receiver is not registered (page 6)).

[d] When the COMMAND MODE is set to 3RD ZONE, only the 3rd zone list appears (STR-DA5000ES only).

[e] STR-DA5000ES only.

[f] Appears only when the receiver is connected to CONTROL A1/A1II compatible CD changer (5, 50, 200, 300 or 400 discs).

# Selecting a component

## Basic procedure for selecting a component

Do the procedure below to select a component from the input list.

**1** **Press INPUT SELECTOR.**

The input list appears. The items in the list correspond with the jacks on the receiver.

```
 MD/DAT
→CD/SACD
 TUNER
 PHONO
```

**2** **Move the easy scroll key to select a component from the list, then press the key to enter the selection.**

Information about the component appears in the display window.

A display example

```
<CD/SACD >
   CD1
  Sony
```

First line: Selected component
Second line: Category
Third line: Maker of the component

**Tips**

- You can modify the category indication. The category indication tells you what component is actually connected to the jacks on the receiver. If a component is connected to jacks for which they are not originally meant, you can modify the category indication to match the component. For details, see "Programming the remote" on page 16.
- You can set the remote to automatically turn on a component when it is selected from the function list. For details, see "Using the auto power function" on page 24.
- You can customize the input list.

## Additional procedures after selecting a component

Depending on the component that you selected, you may have to do an additional procedure, or you may be able to obtain detailed information about the component by doing an additional procedure.

### If you selected tuner

Do the procedure below after you have selected the tuner.

**1** **Move the easy scroll key.**

The preset station list appears.

**2** **Move the easy scroll key to select the preset station, then press the key to enter the selection.**

The current status of the component appears in the display window.

**Note**

If you have changed the contents of the preset station memory of the receiver, be sure to download the preset station memory from the receiver (see page 22) before you tune in to a preset station.

### If you have selected CD player, tape deck, or MD deck

Detailed information about the component appears in the display window of the remote only if the component is compatible with CONTROL A1/A1II.
The information that appears is as follows:

| If you have selected | The following information appears |
|---|---|
| CD player | The first 9 characters of the disc memo, track number, and track text |
| MD deck | The first 9 characters of the disc name, track number, and track name |
| MD deck or tape deck | The current deck operation (►, ❚❚ or ■) to the right of the component indication |



*continued*

### If you selected a Sony CD changer

1 Move the easy scroll key.
The DISC MEMO list appears.

2 Move the easy scroll key to select a disc, then press the key to enter the selection.

3 Start playback.

**Note**

If you have changed the discs in the changer, be sure to download the CD memos from the receiver (see page 22) or play the newly inserted disc(s) before you select a disc from the changer.

### If you selected the tape deck

Move the easy scroll key to display the information about deck A or B.

**Note**

When the remote is programmed to control a non-Sony tape deck, the following may occur:

– You cannot switch between tape deck A and B.
– "TAPE A/B" is displayed and tape deck A and B switch automatically each time you press the easy scroll key, etc.

### If you selected 2ND ZONE or 3RD ZONE (Models of area code U, CA only)

Move the easy scroll key to select the source for 2nd zone or 3rd zone, then press the key.

## Listening to multi channel sound

***— MULTI CH IN***

You can select the audio directly from the components connected to the MULTI CHANNEL INPUT jacks. This enables you to enjoy high quality analog inputs like DVD or Super Audio CD.
Surround effects are not activated when using this input.

**1 Press INPUT SELECTOR.**

**2 Move the easy scroll key to select "MULTI CH 1" or "MULTI CH 2".**

## Selecting a sound field

Do the procedure below to select a sound field from the sound field list.

**1** **Press SOUND FIELD.**

The sound field list appears.

**2** **Move the easy scroll key to select the sound field, then press the key to enter the selection.**

A display example

```
 C.STUDIO EX A
→C.STUDIO EX B
 C.STUDIO EX C
 V.M.DIMENSION
```

### To turn off the sound field

Move the easy scroll key to select either "A.F.D. AUTO" or "2CH STEREO" in the sound field list in the display.

## Enjoying Dolby Pro Logic II and DTS NEO:6

This function lets you specify the type of decoding for 2 channel audio sources. This receiver can reproduce 2 channel sound in 5 channels through Dolby Pro Logic II; 6 channels through DTS Neo:6; or 4 channels through Dolby Pro Logic. However, DTS 2CH sources are not decoded by DTS Neo:6; they are output in 2 channels.

**1** **Press SOUND FIELD.**

The sound field list appears.

**2** **Move the easy scroll key to select the 2 channel decoding mode.**

The selected mode appears.

### 2 channel decoding mode

- PRO LOGIC
  Performs Pro Logic decoding. The source recorded in 2 channel is decoded into 4.1 channels.
- PLII MOVIE
  Performs Pro Logic II Movie mode decoding. This setting is ideal for movies encoded in Dolby Surround. In addition, this mode reproduce sound in 5.1 channels when watching videos of overdubbed or old movies.
- PLII MUSIC
  Performs Pro Logic II Music mode decoding. This setting is ideal for normal stereo sources such as CDs.
- Neo:6 Cinema
  Performs the DTS Neo:6 Cinema mode decoding. This setting is ideal for movies encoded in DTS surround.
- Neo:6 Music
  Performs the DTS Neo:6 Music mode decoding. This setting is ideal for normal stereo sources such as CDs.

# Programming the remote

You can customize the remote to match the components connected to your receiver. You can even program the remote to control non-Sony components and also Sony components that the remote is normally unable to control. The procedure below uses as an example a case in which a Aiwa VCR is connected to the VIDEO2 jacks on the receiver.
Before you begin note that:

– You cannot change the settings of PHONO.
– The remote can control only components that accept infrared wireless control signals.

**Be sure to turn on the receiver and point the remote towards the receiver when performing the following procedure.**

**1** **Press RM SET UP.**

The set up list appears.

```
→ IR SET
  LEARNING
  DOWNLOAD
  INPUT LIST
```

**2** **Move the easy scroll key to select "IR SET", then press the key to enter the selection.**

The IR SET list appears.

```
<IR SET>
 [VIDEO 1 ]
→[VIDEO 2 ]
 [VIDEO 3 ]
```

**3** **Move the easy scroll key to select the input (i.e, the jack name on the rear panel of the receiver; in this case, "VIDEO 2"), then press the key to enter the selection.**

The category list appears.

```
Category?
→VCR
 T V
 L D
```

**4** **Move the easy scroll key to select the category (i.e., the component that is actually connected to the corresponding jacks; in this case, "VCR"), then press the key to enter the selection.**

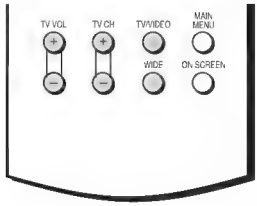
The maker list appears.

```
Maker?
→Sony VTR1
 Sony VTR2
 Sony VTR3
```

**5** **Move the easy scroll key to select the maker of the component ("Aiwa", for example), then press the key to enter the selection.**

When programming the remote to control Sony component, select "Sony".
Programming is now completed.

## Programming the TV operation buttons




**1** **Press RM SET UP.**

The set up list appears.

```
→ IR SET
  LEARNING
  DOWNLOAD
  INPUT LIST
```

**2** **Move the easy scroll key to select "IR SET", then press the key to enter the selection.**

The IR SET list appears.

```
<IR SET>
  USER2
→ TV-KEY
  MACRO
```

**3** **Move the easy scroll key to select "TV-KEY", then press the key to enter the selection.**

The category list appears.

```
Category?
→T V
 Exit
```

**4** **Move the easy scroll key to select "TV", then press the key to enter the selection.**

The maker list appears.

```
Maker?
→Sony
 Admiral-1
 Admiral-2
```

**5** **Move the easy scroll key to select the maker of the component ("Aiwa", for example), then press the key to enter the selection.**

### To cancel programming

Move the easy scroll key to select "Exit" or "Cancel" during any step, then press the key to enter the selection.

#### Tip

You can freely assign any component to USER1 and USER2 items in the IR SET list.

1 Do steps 1 and 2 in "Programming the remote".
2 Move the easy scroll key to select "USER1" or "USER2", then press the key to enter the selection.
3 Continue from step 3 in "Programming the remote" to select the category and maker of the component.

#### Note

If you select "IR SET" for a component that already has a learned button setting, the learned codes for that component are cleared. Furthermore, if the cleared learned button is used in a Macro Play setting, the setting for that button will be changed to "NO SET".

## Performing several commands in sequence automatically

***— Macro Play***

The Macro Play function lets you link several IR codes in a sequential order as a single command. The remote provides 2 macro lists (MACRO1 and MACRO2). You can specify up to 16 IR codes for each macro list.

### Setting the sequence of IR codes

**1** **Press RM SET UP.**

The set up list appears.

```
→IR SET
 LEARNING
 DOWNLOAD
 INPUT LIST
```

**2** **Move the easy scroll key to select "IR SET", then press the key to enter the selection.**

The IR SET list appears.

```
<IR SET>
→MACRO1
 MACRO2
 Exit
```

**3** **Move the easy scroll key to select "MACRO1" (or "MACRO2"), then press the key to enter the selection.**

The program number list appears.

```
<MACRO1>
→ 1-NO SET
  2-NO SET
  3-NO SET
```



*continued*

**4** **Move the easy scroll key to select the macro step number ("1-NO SET" for example) then press the key to enter the selection.**

The category list appears.

```
Category?
→Common
 Button
 VCR
```

**5** **Move the easy scroll key to select the component category ("VCR" for example), then press the key to enter the selection.**

The maker list appears.

```
Maker?
→Sony VTR1
 Sony VTR2
 Sony VTR3
```

**6** **Move the easy scroll key to select the maker, then press the key to enter the selection.**

The function list appears.

```
Function?
→*POWER
 *PREVIOUS
 *NEXT
```

**7** **Move the easy scroll key to select the IR code for the operation you want to perform, then press the key to enter the selection.**

The program number list reappears.

```
<MACRO1>
→ 1-POWER
  2-NO SET
  3-NO SET
```

**8** **Repeat steps 4 through 7 to program up to 16 IR codes.**

When you have finished programming IR codes, select "Exit" in step 7.

### To use learned codes under the Macro Play function

1 In step 5, move the easy scroll key to select "Button", then press the key to enter the selection.

2 Move the easy scroll key to select the button of the learned codes.
When selecting a button, you can press the button directly, instead of scrolling the list, to jump to the desired button in the list and transmit the IR code. Then press the easy scroll key to enter the selection.

### To program the IR codes for TV operation

1 In step 5, move the easy scroll key to select "Button", then press the key to enter the selection.

2 Move the easy scroll key to select "TV-KEY", then press the key to enter the selection.

### To delay the output of an IR code

1 In step 5, move the easy scroll key to select "Common", then press the key to enter the selection.

2 Move the easy scroll key to select "WAIT TIME", then press the key to enter the selection.

3 Move the easy scroll key to select the time to delay the output of an IR code, then press the key to enter the selection. You can specify from 1 to 10 second delay (in 1 second increments).

### To erase a programmed IR code

1 In step 5, move the easy scroll key to select "Common", then press the key to enter the selection.

2 Move the easy scroll key to select "NO SET", then press the key to enter the selection.

### To turn off all Sony components (SYSTEM STANDBY)

1 In step 5, move the easy scroll key to select "Common", then press the key to enter the selection.

2 Move the easy scroll key to select "ALL OFF", then press the key to enter the selection.
However, this function cannot be applied to some Sony components.

## To cancel programming

Move the easy scroll key to select "Exit" or "Cancel" during any step, then press the key to enter the selection.

### Tips

- In step 7, when no indication appears in front of the function name, no IR code is programmed. You cannot use the function for the macro play.
- In step 4 and 7, when "NO SET" is displayed after the program number, the codes have not been programmed for the macro play.
- In step 5, when you select "Button",
  - If "■" appears in the list in step 7, the button is already learned.
  - If you press < or > after you select the program step in step 7, the programmed IR code is emitted and you can check the operation.

### Note

If you select "IR SET" for a component that already has a learned button setting, the learned codes for that component are cleared. Furthermore, if the cleared learned button is used in a Macro play setting, the setting for that button will be changes to "NO SET".

## Starting macro play

**1 Press INPUT SELECTOR.**

The input list appears.

```
 USER1
 USER2
→MACRO1
 MACRO2
```

**2 Move the easy scroll key to select "MACRO1" or "MACRO2", then press the key to enter the selection.**

The IR codes appear in the display window as they are performed.

### Notes

- Pressing any of the following buttons during a macro play operation will cancel the macro play sequence before it is complete.
  - AV I/⏻
  - I/⏻
  - SYSTEM STANDBY
  - SOUND FIELD
  - INPUT SELECTOR
  - RM SET UP
- When the Macro Play function does not work properly, set "WAIT TIME" between each operation.

## Using the RECEIVER menu

**1** **Press < repeatedly.**

The RECEIVER menu appears.

```
<RECEIVER>
→TEST TONE
 DIRECT
 SB DECODING
```

**2** **Move the easy scroll key to select the item you want to set, then press the key to enter the selection.**

Each time you press the key, the setting changes. For details on each items, refer to the operating instructions supplied with the receiver.

You can set the following items;

- TEST TONE: Turns on or off the test tone.
- DIRECT: Outputs the audio signals without adjustments.
- SB DECODING: Selects the SB DECODING setting.
- NIGHT MODE: Turns on or off the NIGHT MODE function.
- DIMMER: Adjusts the brightness of the display.
- INPUT MODE: Selects the INPUT MODE setting.
- EQ: Turns on or off the equalizer.
- SLEEP: Selects the sleep timer setting.
- TRIGGER ON*: Turns on the 12V TRIGGER function.
- TRIGGER OFF*: Turns off the 12V TRIGGER function.

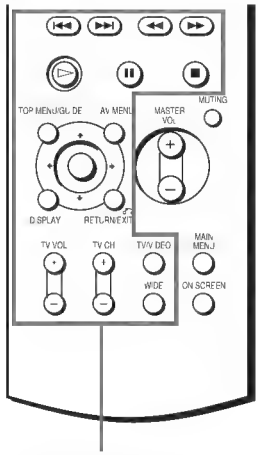
*Models of area code U, CA only.

## Learning the commands of your components

By using the Learning function, it is possible for this commander to perform learned operations.

### Setting remote control codes that are not stored in the commander

When a remote control code is not one of the presets stored in the commander, it is possible for the commander to learn the code using the Learning function.




Buttons for learning

**1** **Press RM SET UP.**

The set up list appears.

```
→IR SET
 LEARNING
 DOWNLOAD
 INPUT LIST
```

**2** **Move the easy scroll key to select "LEARNING", then press the key to enter the selection.**

The input list appears.

```
<LEARNING>
 [VIDEO 1]
→[VIDEO 2]
 [VIDEO 3]
```

**3 Move the easy scroll key to select the function you want to use the Learning input, then press the key to enter the selection.**

The button list appears.

```
Button[VIDEO 2]
→*POWER
 *PREVIOUS
 *NEXT
```

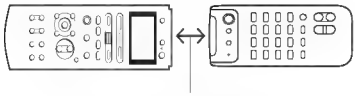
**4 Move the easy scroll key to select the button you want to use for the Learning function, then press the key to enter the selection.**

The display for learning function appears.

```
[VIDEO 2]
*(POWER)
→Learning Start
 Exit
```

First line: Input
Second line: Button

**5 Point the remote code receiver section of the commander toward the receiver/ transmitter on the remote control to be learned.**



About 5 cm ~ 15 cm

**6 Move the easy scroll key to select "Learning Start", then press the key to enter the selection.**

"Learning Now!!" is displayed.

**7 Press the appropriate button on the remote control to send the remote control code.**

Lightly pressing the button once should be sufficient. In about 3 to 5 seconds, it is displayed whether learning was successful or not. When the learning completes successfully, "Learning OK!", the number of keys, and the capacity used for learning are displayed.

```
[VIDEO 2]
■(PLAY)
 Learning OK!
 (15/80   20%)
```

When the learning does not complete successfully, the cause is displayed in the third line.

```
Learning NG!
 (REVERSE)
 FULL (Keys)
→Exit
```

FULL (Keys): shortage of buttons
FULL (memory): shortage of memory
ERROR: other causes
Move the easy scroll key to return to step 3, then repeat the procedure above.

## To cancel learning

Move the easy scroll key to select "Exit" or "Cancel" during any step, then press the key to enter the selection.

## To erase the learned code

1 In step 6 above, move the easy scroll key to select "CLEAR", then press the key to enter the selection. "ALL CLEAR?" appears.

2 Move the easy scroll key to select "Yes", then press the key to enter the selection. "CLEAR OK?" appears.

3 Move the easy scroll key to select "Yes" again, then press the key to enter the selection.

### Tips

- The marks that are displayed in front of the button name indicate the following.
  ■: already learned
  * : pre-programmed
- In step 4, learned buttons can be selected directly. If you press the button you want to use for the Learning function, the list will jump to the same button.
- The Learning function can be applied to the SUB menus. SUB1–SUB5 can be learned.
- You can set the input names for SUB1–SUB5.
  1 In step 6, move the easy scroll key to select "NAME", then press the key to enter the selection.
  2 Move the easy scroll key to create a name, then press the key to enter the selection (up to 8 characters).
  +/– : Select a character
  </>: Move the cursor
  Insert: Insert a space
  Delete: Delete a character



*continued*

**Notes**

- You can program up to 80 buttons for the Learning function. In some cases, you may not be able to program even if you have not programmed 80 buttons.
- If you select "IR SET" for a component that already has a learned button setting, the learned codes for that component are cleared. Furthermore, if the cleared learned button is used in a Macro Play setting, the setting for that button will be reset to the initial setting.

### Using a command that has been learned

When selecting a learned input, press the button used to learn that function.

## Downloading data from the receiver

The remote communicates with the receiver every time a button is pressed on the remote and displays the current operation status of the receiver on the display window.
The remote can also download index names of the program sources, preset stations, CD disc names (memos)*, and information indicating the presence or absence of a CD in each slot of a CD changer* from the receiver.

* Appears only when you have selected a Sony CD changer (5, 50, 200, 300, or 400 discs) connected to the receiver using the CONTROL A1 cable.

**Be sure to turn on the receiver and point the remote towards the receiver when performing the following procedure.**

**1** **Press RM SET UP.**

The set up list appears.

```
→IR SET
 LEARNING
 DOWNLOAD
 INPUT LIST
```

**2** **Move the easy scroll key to select "DOWNLOAD", then press the key to enter the selection.**

The DOWNLOAD list appears.

```
<DOWNLOAD>
→INPUT SELECTOR
 TUNER INFO
 Exit
```

**3** **To download index names**

Move the easy scroll key to select "INPUT SELECTOR", then press the key to enter the selection.

**To download preset stations (STR-DA5000ES only)**

Move the easy scroll key to select "TUNER INFO", then press the key to enter the selection.

### To download CD disc names (memos) and information on the presence or absence of a CD in each slot of a CD changer

This function is available only when the CD player is set to "CD2" or "CD3" in the IR SET menu. When the CD player is set to "CD1", "CD DISC NAME" does not appear.

1 Move the easy scroll key to select "CD DISC NAME" then press the key to enter the selection.

The SORT list appears in the display.

```
<Sort? >
→NUMBER
 ALPHABET
 Exit
```

2 Move the easy scroll key to select "NUMBER" or "ALPHABET", then press the key to enter the selection.

The remote starts to download the data.

```
<LOADING>
 [■■■       ]
→Cancel
```

## To cancel the download process

Move the easy scroll key to select "Exit" from the DOWNLOAD list, then press the key to enter the selection.

#### Tip

When you change the discs in the CD changer, the disc information (disc names (memos)) is automatically updated when you start playback. To update without starting playback, perform the above procedure.

#### Notes

- You can download the data only from the Sony CD changer (5, 50, 200, 300, or 400 discs) connected to the receiver using the CONTROL A1 cable.
- CD DISC NAME is available for up to 400 discs.

## Note on downloading CD disc names from the CD players (memos)

You can download CD disc names (memos) only from the CONTROL A1/A1II -compatible Sony CD players. Depending on the CD player setting, it may take several minutes to download CD disc names (memos). For faster transmission, make the following CD player settings.

### When an CONTROL A1/A1II -compatible Sony CD player is connected to the receiver

Set the category in the RM SET UP list for the CD player to "CD1". When you connect a Sony CD changer, set the category in the RM SET UP list for "CD2" (or "CD3"). Use only one of "CD1", "CD2", or "CD3" for the category. The current category setting appears when you select the component from the INPUT SELECTOR list (page 13).

### When multiple CONTROL A1/A1II -compatible Sony CD players are connected to the receiver

When you use two CD players, set the COMMAND MODE selector on the back panel of the CD players to "CD1" and "CD2" respectively, and set the category in the IR SET list to match the corresponding player's COMMAND MODE selector position (see page 16). When you use three CD players, set the COMMAND MODE selector to "CD1", "CD2", and "CD3" respectively, and set the category in the IR SET list to match the corresponding player's COMMAND MODE selector position.

When setting category for the CD players, do not skip the number or select the same number to the multiple players.

### When an CONTROL A1/A1II -compatible Sony CD player and a non-compatible Sony CD player are connected to the receiver

Set the COMMAND MODE selector on the back panel of the CONTROL A1/A1II-

*continued*

compatible CD player to "CD2" and set the category in the IR SET list for the player to "CD2" (see page 16).
Set the COMMAND MODE selector on the back panel of the non-compatible CD player to "CD1" and set the category in the IR SET list for the player to "CD1" (see page 16).

### When using a non-Sony CD player in conjunction with Sony CD players

Program the remote to control the non-Sony CD player (see page 16).
See the sections above for settings of the Sony CD players.

# Other operations

## Customizing the input list

You can set the remote to display only the inputs you use in the input list.

**1** **Press RM SET UP.**

The set up list appears.

```
→IR SET
 LEARNING
 DOWNLOAD
 INPUT LIST
```

**2** **Move the easy scroll key to select "INPUT LIST", then press the key to enter the selection.**

The INPUT LIST list appears.
"*" in front of the input name means that the input is displayed in the input list.

```
<INPUT LIST>
→*[VIDEO 1 ]
 *[VIDEO 2 ]
 *[VIDEO 3 ]
```

**3** **Move the easy scroll key to select the input not to be displayed in the input list, then press the key to enter selection.**

"*" disappears for the selected input.

```
<INPUT LIST>
→ [VIDEO 1 ]
 *[VIDEO 2 ]
 *[VIDEO 3 ]
```

### To display the input in the function list

In step 3, press the key repeatedly until "*" appears again.

## Using the auto power function

With the auto power function turned on, Sony AV and TV components automatically turns on and the TV switches to the selected input mode. This function works for Sony components only.

**1** **Press RM SET UP.**

The set up list appears.

```
→IR SET
 LEARNING
 DOWNLOAD
 INPUT LIST
```

**2** **Move the easy scroll key to select "AUTO POWER", then press the key to enter the selection.**

The AUTO POWER list appears.

```
<AUTO POWER>
→On
 Off
```

**3** **Move the easy scroll key to select "On" or "Off", then press the key to enter the selection.**

When you select "On", the TV INPUT list appears.

```
<TV INPUT>
→TV-VIDEO1
 TV-VIDEO2
 TV-VIDEO3
```

**4** **Move the easy scroll key to select the video input of the TV, then press the key to enter the selection.**

When you want to select component video input, select TV-COMPO1 or 2.

**Notes**

- Switching to VIDEO1–6 input may not be automatic on all Sony TVs. This is because some TVs cannot receive remote control codes immediately after being turned on.
- When you select "(Off)" in step 4, the TV input does not switch.

## Turning the backlight on or off

Each time you press a button on the remote, the backlight turns on. If you do the procedure below to turn off the backlight, you can make the batteries last longer.

**1** **Press RM SET UP.**

The set up list appears.

```
→IR SET
 LEARNING
 DOWNLOAD
 INPUT LIST
```

**2** **Move the easy scroll key to select "BACK LIGHT", then press the key to enter the selection.**

The BACK LIGHT list appears.

```
<BACK LIGHT>
→On
 Off
```

**3** **Move the easy scroll key to select "On" or "Off", then press the key to enter the selection.**

## Adjusting the contrast of the display

You can adjust the contrast of the display.

**1** **Press RM SET UP.**

The set up list appears.

```
→IR SET
 LEARNING
 DOWNLOAD
 INPUT LIST
```

**2** **Move the easy scroll key to select "CONTRAST", then press the key to enter the selection.**

```
<CONTRAST>
→+
 –
■■■■■■■■□□□□□□□□
```

**3** **Move the easy scroll key to select "+" or "–", then press the key to enter the selection.**

Each time you press the key, the contrast of the display changes. To exit adjusting, move the easy scroll key to select "Exit", then press the key to enter the selection.



*continued*

## Switching the COMMAND MODE

You can switch the command mode (AV SYSTEM 1 or AV SYSTEM 2) of the remote. If the command mode of the receiver and the remote is different, you cannot use the remote to operate the receiver.
Besides, you can set the remote for the 2nd zone mode or 3rd zone mode (models of area code U, CA only).

**1** **Press RM SET UP.**

The set up list appears.

```
→IR SET
 LEARNING
 DOWNLOAD
 INPUT LIST
```

**2** **Move the easy scroll key to select "COMMAND MODE", then press the key to enter the selection.**

The COMMAND MODE list appears.

```
<COMMAND MODE>
→MAIN
 2ND ZONE*
 3RD ZONE*
```

*STR-DA5000ES and the initial setting only.

**3** **To select the command mode for the main receiver**

Move the easy scroll key to select "MAIN", then press the key to enter the selection.
MAIN list appears.

```
<MAIN>
 AV SYSTEM 1
→AV SYSTEM 2
 Exit
```

Move the easy scroll key to select "AV SYSTEM 1" or "AV SYSTEM 2", then press the key to enter the selection.

**To select the 2nd zone mode (STR-DA5000ES only)**

Using an optional IR repeater as shown on page 27, the following operations are possible with the remote:

- Switching sources.
- Adjusting the volume.
- Switching the power to on or off.

Set the command mode of the remote to the 2nd zone mode.

Move the easy scroll key to select "2ND ZONE", then press the key to enter the selection.

**To select the 3rd zone mode (STR-DA5000ES only)**

Move the easy scroll key to select "3RD ZONE", then press the key to enter the selection.

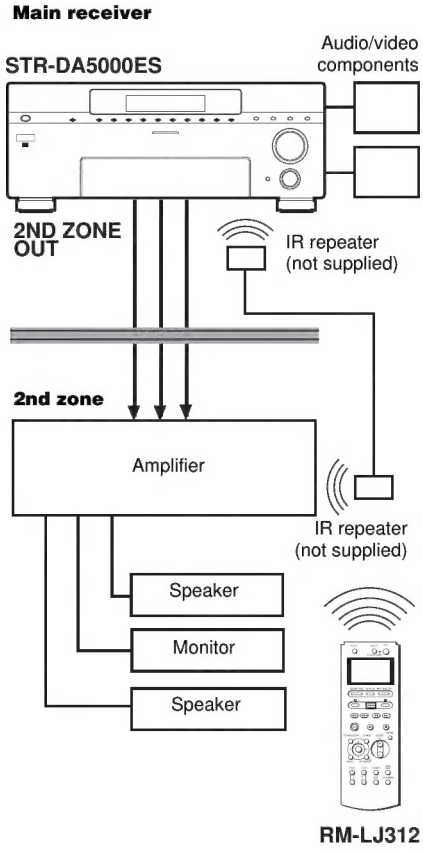
**Tips**

- Only when the remote is turned on by pressing SOUND FIELD or INPUT SELECTOR, the COMMAND MODE appears in the first line of the display.
- Make sure that the command mode of the remote and the main receiver is the same.

**Note**

The 2nd (or 3rd) zone mode is available for STR-DA5000ES models of area code U, CA only.

## 2nd zone operation (STR-DA5000ES only)




## Clearing all the contents of remote's memory

**1** **Press RM SET UP.**

The set up list appears.

```
→IR SET
 LEARNING
 DOWNLOAD
 INPUT LIST
```

**2** **Move the easy scroll key to select "ALL CLEAR", then press the key to enter the selection.**

The ALL CLEAR list appears.

```
<ALL CLEAR?>
  Yes
→No
```

**3** **Move the easy scroll key to select "Yes", then press the key to enter the selection.**

"CLEAR OK?!" appears.

```
<CLEAR OK?!>
  Yes
→No
```

**4** **Move the easy scroll key to select "Yes" again, then press the key.**

All the contents of the remote's memory (i.e., all the programmed data) are cleared.

Additional Information

# Troubleshooting

If you experience any of the following difficulties while using the receiver, use this troubleshooting guide to help you remedy the problem. Should any problem persist, consult your nearest Sony dealer.

**The remote does not function.**

- If the receiver's COMMAND MODE and the remote's COMMAND MODE do not match, transmission is not possible between the remote and the receiver (page 26).
- Make sure that the model name appears correctly on the AMP REGIST list. If "? ? ?" appears on the list, perform the procedure of AMP REGIST (page 6).
- Point the remote at the remote sensor on the receiver.
- Remove any obstacles in the path between the remote and the receiver.
- Replace all the batteries in the remote with new ones, if they are weak.
- Make sure you select the correct input on the remote.
- When "2ND ZONE" or "3RD ZONE" appears, or when the sound fields are not fully displayed, check if the remote is registered for the receiver correctly.
- When you operate a programmed non-Sony component, the remote may not function properly depending on the model and the maker of the component.

**appears in the display window of the remote.**

- The batteries are running out. Replace all the batteries with new ones.

**The input names that appear in the display windows of the receiver and the remote are different.**

- Select the correct input using the remote.

# Specifications

## General

| | |
|---|---|
| Remote control system | Infrared control |
| Power requirements | 4.5 V DC with three R6 (size-AA) batteries |
| Dimensions | 175 × 63 × 30 mm |
| Mass (approx.) | 125 g excluding batteries |

Design and specifications are subject to change without notice.

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